

Table 1b. New DPS L4s:

Paragraph_id	requirement_key	release	req_type	req_status	verification_method	verification_status	text
S-DPS-20618	NEW	B0	functional	approved	inspection/test	unverified	The PRONG CI shall be capable of inspecting the metadata of PGE input data granules to support metadata based PGE activation.
S-DPS-20664	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall be capable of requesting data be inserted to SDSRV CI at a remote DAAC.
S-DPS-20855	NEW	B0	functional	approved	inspection/test	unverified	The PRONG CI shall stage temporary PGE outputs to the Data Server if such outputs can be used as input data for other PGEs.
S-DPS-20856	NEW	B0	functional	approved	inspection/test	unverified	The PRONG CI shall coordinate the deletion of PGE outputs which were temporarily stored in the SDSRV CI.
S-DPS-20865	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall be capable of compressing data being inserted to a SDSRV CI at a remote DAAC.
S-DPS-20866	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall be capable of acquiring data from a SDSRV CI at a remote DAAC.
S-DPS-20867	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall be capable of decompressing data acquired from a SDSRV CI at a remote DAAC.
S-DPS-21574	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall be able to generate an user-visible-operator error message, and submit a predefined DPR based on the exit code of a PGE.
S-DPS-21575	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall provide a GUI that allows the operator to view the output logs of a completed PGE.
S-DPS-21576	NEW	B1	functional	approved	inspection/test	unverified	The PRONG CI shall detect when a PGE is beginning execution later than its predicted start time and notify the operator.
S-DPS-22110	NEW	B0	functional	approved	inspection/test	unverified	The PRONG CI shall be capable of adding metadata values to the output science granules in support of production history.
S-DPS-22120	NEW	B0	functional	approved	inspection/test	unverified	The PRONG CI shall generate a processing log file containing information about the utilization of computer resources and the

							<u>PGE execution environment when PGE execution has completed.</u>
<u>S-DPS-22130</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The PRONG CI shall request DS to archive a PGE's processing log linking it to each granule produced by that PGE.</u>
<u>S-DPS-22140</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The PRONG CI shall generate PGE production date, time, and PGE name including PGE version metadata as part of the Production History.</u>
<u>S-DPS-30650</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The PRONG CI shall notify the operator if the EOS-AM onboard orbit data exceeds one of the following FDF-specified constraints (a) maximum gap size (b) the number of missing data per time interval (c) maximum contiguous missing data</u>
<u>S-DPS-30675</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The PRONG CI shall use FDF 2800-byte block, binary EPHEM formatted EOS-AM definitive orbit data to replace EOS-AM onboard orbit data that cannot be repaired by FDF supplied interpolation subroutines.</u>
<u>S-DPS-42615</u>	<u>NEW</u>	<u>B0</u>	<u>operational</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The operations staff shall be able to enter new PGEs into the PGE Database, along with scheduling input/output, performance and resource utilization information</u>
<u>S-DPS-42375</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The AITTLCI shall accept metadata parameters and values during PGE Registration for QA data checking and PGE scheduling.</u>
<u>S-DPS-42380</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The AITTLCI shall provide an interface to allow for multiple sets of scheduling, input/output, performance and resource utilization information for each PGE in the PGE Database.</u>
<u>S-DPS-42383</u>	<u>NEW</u>	<u>B1</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The AITTLCI shall provide a method to map PGE exit codes to output messages and/or to DPRs that are automatically executed upon PGE termination with the specified exit code.</u>
<u>S-DPS-42385</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>inspection/test</u>	<u>unverified</u>	<u>The AITTLCI shall provide the operations staff with a mechanism to access Science Software Archive Packages on both "test" and "operational" Data Servers</u>